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All correspondences about the journal should be apprecised to the Editor, "Adibasi". Tribal 9 Harijun Research-core-Training Inalityte, Unit-VIII. Bhubaneswar-751003. PART I

Changes in Dietary Intake and Nutritional Status of Onges of Little Andaman

Shri D. Henumanthe Reo Shri Q, N, V, Brahmam Shri N, Pralhad Reo

Introduction

Tribale monetimes about 8 per ment of the country's total projection. They are rendered monety one the hilly registers, and are the country's total per segment, and are the country of th

of Onges and its Impact on their dist and nutritional status.

Background Information : Historically, the Onges belonged to

Negrito sacial stoch sand formed a segment of the ribble topolitotion groups who were collectively known as Gleas Additionative. In the collective for the ribble stock of the ribble stoc

at the time of the survey was SE. The main seasons attributed for that democraphic decidins were jow birth with dark to higher and the seasons with the seasons

Of late the Anderson administration has asken seeps to settle them in two places, one at Dupong Creak (78 Organ) and come at Dupong Creak (78 Organ) and continued for the Company Creak (78 Organ) and continued as the Dupong Creak has size of feelfities like sirection and disponent. The services of a Macilles' Officer, Compounder, as Audillary Name, Mildwife and a Social

They are supplied with free retions

such as rise, where foor, pulses, addits oil and other seasonies commodities like soop, sercisine and clothing, by the administration (Table 1), Content pletations have been raised continuely; for pleta line an area of shour 56 extract 32 eres at Dugong Creek and 20 cores at South Bay.

Meth edology

Assissament of Food/Nutrient intake,
Cristola and Assissament of Food/Nutrient intake,
Cristola and Assissament of Status and
Living conditions (in this optionatus) format
their units invasipations. Weightness method
of dist survey was confused for three
of dist survey was confused for three
holds. The average nutrients intake per
consumption unit (C. U.) per day was cellunitsed uning food scalate? and are compared
with Recommended Oleany Intakes.

Antispontario massuromente lite helight, vedebt, ridi uspor am ciucumferenze (MUAC), fat fodi a micros (FPT) were resorded on all the svaliable individuals using standard scheleques and supplement (Feronse and Loseis, 1889). All their resorded control of the presence of supplementation of suppleme

The distany and anthropometric date of Copes were compared with the rural population of the mini fand (KNIME 1974-197). The current date of the Copes was also compared with that of pravious survey cardious by NIN in 1959 to assess the changes over a pariot.

Results

Food and feather-leverage tested of incident desired of incident desired and incident desired of incident desired desi

Over the three day period, there was not more day to day visition is the level of com-samples of floor supplied through ration like ceredit. Fresh coconus and oil, while that of flish floories, which depended on their own efforts of hunting and flishing, showed very wide varietion. A reflection of this was seen in the levels of nutritions like proceine (45 g. to 83 g.) and calcium (148 mg. to 972 mg.)

Anthopomery—This reset a sufreposement of the manuscreents of the Glope shall make and measurements of the Glope shall make and control of the Glope shall make the Global State of the Gl

Chinket Statou —None of the pre-school children subhisted signs of Proteils. Energy Mainutrition (Table 7). Five of the 14 school age children, two of the four adolesoms and two of the 28 adult fernalise showed signs of competinal soons, suggesters of Vit. A² deficiency. Only one school age child had glossitis. a sign of 8 -contract offsets of the school and the school school and the school

Demographic profile—The Onge population gradually destined over a pariod of time. The spe systemilies of Onges in 1651 and 1651 Indicate that the prosperior of children under the compared to address many (25—30%) and compared to address many (25—30%) and sectional differences between 1851 and 1989 (Table 9).

This proportion of opposition in the pap price of 14—44 Yin (crossed from 20 per results 188) to 46-70 per cent in 1989, being similar to the all indice average of 421 per cent. The proportion of people above the age of 46 Yin, decreased from of the people above the age of 46 Yin, decreased from 15 yillion (continued to 15 yillion (continued to 15 yillion (continued to 15 yillion (continued to 16 yillion (continued to

Discussion

(Tebles A-A)

Aveilability of information at these point period affocded the opportunity to assess the changes in the diet and numricose structure of the Origes Brought about bythe various intervention measures, retent un by the administration.

The major changes observed in the life style of the Onges, since the fifties has been a shift from nemadic to settled life. As they came in contact with the administration which undertook certain measures like providing health, and educational facilities through resident health and social workers, visiting officials and other departmental functionaries, the Onces took to tobacco chewing and alcohol drinking. The Income they earned through coconut plantation was paid in cesh, thus they were able to spend the money. They changed their gives man started woering shirts and trousers and women wranning sarese around their bodies. However, they rended to maintain their identity as a social group.

The remarkable change that opcured was in their distary pattern. The steple changed from Nesh foods (Including sea foods) to occupil like into and wheat. They did not give up totally their zeddonal moses of burting, fishing and food gethering. The qualitative and quantitative changes that chanacturists of didter were.—

The creeds which did not figure in the Onnes dies during the sixtire 5. 7 are now a consistent commodity of consumption (Table 1). Very high amounts of flesh and sos foods, weach characterised their diete earlier are not neen now and the foods like fresh occonut, oil, milk powder and pulses entered their diets regularly which Wither to were unknown to Onges. As a result of these changes, the protein intake decreased from 140 g. In 1884 to 127g. in 1969 and 88 g. in 1989 (Table 11). The energy intakes for the corresponding periods increased from 167 K. eal to 1850 K.cel. and 225 K.cel. The consumption of exhar autificate like Calcium, Iran, Visamin 'A', Thiamine and Riboflavin showed a decrease mar she narled Nevertheless the most striking feature of the diet of the Onge, today is the arabifley of energy intrices and inclusion of diversified food articles in their diet, in contrast to violent fluctuating intakes and sole dependence on flesh food/sea food.

The medicare facility provided to them at the site of settlements, was being utilised by them suggesting their acceptance of the system.

Comparision of antirropometric measurements of adult Onges taken during 1969 (NIN)⁵ and now 1989 showed that the adult male, on the average is currently stiller by 2 Cres and heavier by 4-5 Kg, than in 1969 (Table 12).

Also the present subjects have larger arm chcumiscence and thicker fat fold at tricops. However, the heights and weights of adult women are not different between these periods, though the arm circumferents and fat fold at tricops values showed an increase over the years.

This accular changes in heights and waights of eight male Onges, alwaling down of infant mortality (Table 15) tends seen from the rivilable records. If any thing point to the fact that the Onges sodes, are numbleably better compared to some two decides ago.

poprimenostiuns

Based on the observations, the following re-commendations are made for the improvement in Health Nutrition and Sprio-aconomic status of Coges.

Socia-economic and welfare measures

programms with the packages of services (this in SCDS) should be considered since in terrocrapse as Primary Hashin care. Nutrition and Execution of children and mothers. The services of a resident sheeker, preferably a female be into a swallable as Dupping Great to ensure non-formal Pre-school oducation to the children.

(2) Adult education—Functional literacy to the education—members of the continuality to the education of the continuality of the property of the property of the continuality of the continual conti

(3) income generation—The absence of eachengeable ceah or commodities is bound to make them dependent on dates. Hence activities which can generate income at household level should be provided.

Since the women have lot of spare tirre, they could be trained and gainfully engaged in skillstice becautmaking, mat weaving, toy making stc., which can be sold in urben markets.

Payment of wages to the Ongse who work in the Plantations, should be related to work output. At pheant every person working in the plantation gate said the same wages.

Adequate Training and technical help in raining piccomies and posttry should be provided.

Special Health and Mutrition Programmos

(1) Control and prevention of Ansamsiaslines the Ince odditioney assessing in which prevalent, a regular supply of trop and folio acid tablets theosph Nethoral Mentitional Assessia Prophylaskis Programms should be ensured. Also, supply of Ince Totiffied and in place of cettimer sails could be considered on a plorify

(2) Vitamin 'A' Prophylaria Programme— Distribution of massive dose of Vitamin 'A' (200,000 IU) solution should be undertaken

(200,000 IU) solution should be undertake for all the children, once away six months.

of mixed worming chauld be carried out.

(4) Ammunication—Immunication of all children against the childhood infections be

ensured.

(5) Safe drinking water and senitation
Stice should be taken to onevide as to drink

(6) Health and nutrition education —The community members abould be educated regarding the importance of environmental sacilitation and certainal hypitene in meintaining good health. Use of audio-visual applitances including video toxos and T. V. In addition to

communication should be

interpersonal

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Director, Tribal Welfath for providing all the facilities for the conduct of the survey.

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TABLE 1 List of Food and Non-Food from: Distributed to Primitive Tribal Groups of

Andaman And Nicobar	Islands (PerMor	ith/Person Above 8 ye	ers of Age}*
Food Items	Quantity	Food Hitms	Quantity
Rico	B-0 Kg.	Turmeric Powder	80 g
Wheet flour,	9:0 Kg.	Coriander Powder	80 g
Pulses	06 Kg.	Chilly Powder	60 g
Dalda	0.6 Kg.		
OII	0-5 Kg.	Non-Food Items	
Onlone	0-6 Kg.	Tobacco Juguna	80 a
Sugar	0-5 Kg.	Bathing scap	1 No.
Selz	0-5 Kg.	Washing soep	1 No.
Yes	D-6 Kg.	Match Box	2 Nos.
Milk Powder	0-5 Kg	Candles	1 Pkt.
Taxactind	100 Kg.	Keroaspe	8 Litres

YASLE 2
Average Food Intske (g/CU/DAY) Among Onges

8	Food Stuffs			0	ey of survey		R. D. I.
77	(g)		I day 20	11 day 14	III day 13	Averago	1981)
	(9)		(2)	(3)	(4)	(8)	(8)
-	Rica		171	184	261	201	- 11
	Wheat		197	147	88	151	11
	Yotal cereals		368	331	349	362	460
	Pulses		22	17	3	15	40
	Leafy Vegetables		0	0	0	0	40
	Other Vegetables		12	4	30	115	60
	Roots and Tubers	**	29	53	13	31	50
	MIJk		12	22	18	10	150
	Oit and Fet		11	14	8	11	40
	Sugar & Jaggery Flesh Foods	**	2	3	2	2	30
	Park		60	15	53	55	
	Tortoles		110	0	216	109	
	Creb			0	34	12	
	Fish		6	0	2	3	
	Total		180	18	338	179	
	Coconut		110	113	129	116	
	Honey		22	102	22	46	

Figures in parentheses indicate Ro. of households surveye

TABLE 3
Average Consumption of Nutrients (CU/DAY) Among Onges

	Nutrients		(L.C. M. R.			
		1 day 20	il der 14	Iti dey 13	Agverage	1001)
	(1)	(2)	(3)	(4)	(6)	(6)
-	Protein (g)	75	43	89	69	86
	Calories (K cal)	2,254	2,218	2,295	2,263	2,400
	Calcium (mg)	274	148	872	369	500
r	Iron (mp)	 18	12	10	13	24
	Vitamin 'A" (mg)	42	24	19	29	750
	Thiamine (mg)	1-64	1-06	1-00	1:24	1-20
	Riboftavin (mg)	0.78	0-87	0.67	0-60	1 40

rightes in paracountry support and or presidents of

TABLE 4

Age (yours		Sex ,	No.	Height(Om)	Weight (Kg) fo	Arm Circum- rence(Cm) a	
(1)		(2)	(3)	(4)	(5)	(8)	(?)
4	Majo		3	63:9	47	11:3	7-7
	Female		100				
1+	Male		2	67-8	7-6	13-9	81
	Female						
24	Mela						
	Femals		,	72-2	7-8	13-0	10:0
3+	Male		1	82-6	10:8	14-0	810
	Female		2	81-2	B-7	144	101
44	Mete						
	Female						
6-9	Male		6	89-2	14-5	18-4	84
	Female		8	101-8	141	18-4	80 K
10-11	Mats		2	1100	18-1	18-0	7:1
	Fernale		1	1081	17-8	10-4	0-2
12-14	Male		2	1207	22:0	108	0-2
	Female				./-		
15-17	Male						
10-17	Furnale		2	138-6	251	21-0	13-8
18-19	Male			182-1	37:1	22-4	
10-10	Famale			1621	371	224	6-2
20-29	Mele			182-7	51-8	27:0	
20-29	Female		4	1393	42-0	27-0	9-8 16-3
2019	Made		7	182-2	40-6		
90-00	Famale		ź	141-8	404	26-8 26-8	20-4
40-49	11.00						
40 49	Mela Female		12	151-8	47-7 45-7	26-1	7-6
							10.4
< /50	Male		8	160-3	43-9	25-0 25-4	7-0

TABLE 5

Meen Body-	Muse-Index of	Code Adult	t beragmon to	With Hurst Indians

P)	Sex	Age	Group (years)	Dages	Ruful Indiana (NNAIB-1980
	(1)		(2)	(3)	(4)
-	Maro		20-30	2/2	10
			30-40	21	1-9
			40-80	2:0	1-9
			> /60	1-9	1.8
	Fernale		20-30	2:2	119
			3040	2:3	1.0
			4060	.2.3	1:0
			>/80	2-0	1-8
-		87	9-		*****

4

D SIBAT

		Meen Anthrops		seuromenta (of Adult Or	nget by age	
Age (Proup	(reary)	h	Height (Cm)	Weight (Kg)	Ann Circum- ference (Cm)	Fat fold at tripepe (film)
	(1)		(2)	(1)	(4)	(8)	(6)
Mues	-	20-30	10	153 0	51 B	26.9	8-8
		30-80	17	161:7	47-8	20-3	7-6
		>/80	8	1603	43:9	26-0	7-0
Persates		20-30	4	159-3	42:0	23.7	18:2

40:2 25:1 10:6

> /60

TABLE 7

Provalence of Clinical Signs of Mutritional Deficiency among Onces

Age Group					Ona	14	
			Normal	Con.	xerosie	Glessitis	Goltre
(1)		(2)	(3)		(4)	(6)	(8)
Infacts		- 1			0		0
	**						
Pre-school children					0	0	0
School age children		16				1	0
Adolescents		4	2		2	0	0
Adult Moles	170	36	36		0	0	0
Adult Especial		20	20				

YARLY O

	TABLE 8		
	Prevalence of Morbidity	among Onges	
Age Group		Orges	
		Normal	Tannianis.
(1)	(2)	(3)	(4)
Infents	3	3	0
Pre-subget children		8	1
Schoologs children	14	14	0
Adoliverents	4	4	0
Arkds Males	36	2.9	7
Artists Fernales	26	948	

TABLE 9

Percentage distribution of Onges by Age and Sex Over the years

Age Group (yeers)	1961 (n-129) (3)	19-89 (n-98) (3)
∠14	30-0	27.2
14 444	30-0	46.7
3 /44	40-0	284
Sex		
Mares	38-6	59-1
Females	61-2	43.9

TABLE 10
Averson Food intake (g/CU/DAY) among Ongos Over a Perior

	Year o	of aurony	
ypo of survey	1964 (Arch, Sur of India) 30 days weightents	1969 (NIN) 24 hours recall	1,683 (NIN) 3 days weighmen
(1)	(2)	(3)	(4)
Good Stuffs			
Blos	0	o.	504
Minest	0	0	181
Total gereals	0	0	362
Pulses	0	0	16
Leafy Vegetables	0	0	0
Other Vegetables	0	9	18
Roots and Tubers	240	240	31
Milk	0	0	16
Oils and fat	0	0	11
Sugar and Jaggery	0	0	1
Firsh Foods			
Park.	634	486	88
Tortoles	32	25	109
Crab	20	26	36
Fish	220	190	- 2
Total	806	725	209
Cononut	0	- 0	116
Honey	15	145	41

Honey	10	140	40
	TABLE 11		
Average Consumption of	Nutriente (CU, DAY) amo	ng Onges Over	e Period
-		Year of survey	
Type of survey	1984 (Anth Sur of Inclu) 30 days weighment	1968 (NIN) 24 hours rece I	1888 (NIN) 3 days neighnam
(1)	(2)	(3)	(4)
Prosent (g)	140	127	68
Countes (Keat)	1,571	1 852	2 283
Caldium (reg)	1,415	1,388	368
('on (mg)	17	16	13
Vitamin A' (ug)	81	71	29
Thumbe (mg)	2:47	2-26	1-24
Riboflavin (reg)	0-72	0.71	0-80
	9		

TABLE 12

surrements of Adult Onnes Dune v. 20 years Deviced

Year of survey	No.	(Cm)	(Kg)	ferance (Cm)	Fat fold at triceps (Mm)
(1)	(2)	(3)	(4)	(8)	(6)
Moles					
1869	29	148-8	43-2	24-0	6-9
1989	30	181-6	47-7	201	7.7
Femeles					
1969	13	140-4	43-0	24.0	11-7
1988	31	140-4	43.0	25-8	17-0

TABLE 13

Births and Deeths of Infants among Onges Over a Period

Period	Yote! No.	No of Infant	
(1)	of Births (2)	destis (3)	
1875-79	12	4	
1990-84	19	NA.	
198569	11	1	

H. A. Dets not tyanable

Stoyros-Rocards at Dugong Creek Dispensery

REFERENCES

- Vierna. C., Sovving the Thisef Groups of Andreath and Nicober lefend from extination. An action oriented research process licharum report No. 2. A MASS. New Death 1989.
- 2 Goot un. C., Ramessetty, B.V. and Ballesobramanyam, S.C. Nutritive. Value of Indian Foods, Marianal Institute of Numition, Hyderabad. 1886.
- National Institute of Numbion, Hyderabad. 1986.

 Recommended Distring Insakes for Indian, Indian Council of Modern Research, New Da ht 1981.
- 4 VM her J.S. and Journe w.A. Homes Biology.—A guide to find methods, International Biological Programme Mand Book No. 9: Oxford Bischore Scientific Publications, 1969.
- 6 Swammerham M. C. Kriebne. Moorshy D. Leefs yanger and Henumenthia. Reo., D. Health Survey of the Ongs: Trube of Little Andersent Incl., vol., 34rd. Res., 58, 1971.
 - Seradindz Base, Economy of the Onges of Little Andersens Man * India, 1904, 44, 4

Nutrational Status of Children (0-3 years) of Kofha, Kharia and Bhuinya Tribas of Orissa.

Miss Chandrashres (ents Dr P N, Choudhury Dr. (Miss) S. A. Vali

An attempt has been made to study the wearing of practices and nutritional status of children (0-3 Years) of tribals of Orland Missimum (62 per cent) children belonged to low income group (Rs.301 -800 per month) Breast feeding remotenced after 24 days of 3 days of delivery and continued until next prennancy (41 per care) Toneni (Entired water of control rice), sugar ments like rice cake 100 per cent), sugo were given to children up to one year. After that phildren were on ordinary home prepared diet The diet of children was deficient in protective nutrients. The evereps values of weight hought arm prountereros has diroumfaveros chass circumference of children were less than ICMR erenderd in both the seven, 64 per cent chudran were suffering from majoratrition (30 per cent asyers, 34 per cent moderate), 63 wer gent o'hidren ware suffering from anaumin and avencions of PEM, such as Oriona (4 her next) escretage 2% norths by (15 per next. Hale changes (31 per cent) found to be prevalent among all age groups. Ear Infection (6 per cent), Eve infaction (11 per cent), Cold (22 per cent), scables (12 per cent), were found to be most garrings sign-nutritional diseases among children

KFY WORDS — Tribel, Breset, field in g, projectivel feeds, torani, noe cake, mainutrition, potterly, explore, cold.

Orissa is one of the poorset States of india harving 70 per cent of the population below powery une of total population and worthinks of population as difference. In stems of cookermation or distillations, it areas accordance more than 11 per cent of total tribus population of the opening sound in 11 per cent of total tribus population of the opening sound in 11 per cent of total tribus population of the opening sound in 11 per cent of total tribus population of the opening sound in 11 per cent of 11 per cent of 11 per cent of 11 per cent of 12 per cent o

widel communities. While there is a broad undertracting of shells and nutrition problems of the general population personally of urban and renal communities of College, such information or tribal population is meagre. Hence the present exception conducted or study, the nutritional seature of children (0. —3 years) of Kharte, Shu, nya and Korbs, tribus of College.

For the present south two hay trible integrated that the south of and Technopard insured at the bodies or in the sous and Mayorhous at the bodies or in the sous and Mayorhous at the bodies or in the sous and Mayorhous at the contribution between CE3 years; are presented on the bodies of vision (CE3 years) are presented on the bodies of vision sous at the contribution was formationed on the sous and second and the contribution was desirable of the contribution of the sous and second the sous at the contribution of the sous and second the sous and the contribution was desirable or mediate and second in the hay of a course weighting mediates and second contributions had descended on the hay of a course of the course of the sous and the sou

The result of the present soverigation revealed an Interesting date. Out of 100 children. 50 were males and 50 were females. Meximum number of children were from age-group of 30-28 months. 88 per cent children were belonged to lower income aroup. It was noted that inferenware fed honey last after birth and kent on different liquid diess such as some (soeked water of spoked rice), augus rando water (41 per cent) raggery water, milk from other mother (27 per cent), honey water (18 per cent) etc. up to 23 days or 3 days, 81 per cent of mother breastled their babies efter 24 days and 19 nor cant after 3 days because they believed that their milk sepretion will be decreesed and the child will suffer from theyboss if they breast fed their babies from the beginning None of the mothers were a wore about the numrity value of colostrum. 41 per cent mothers were broast fed their child until next prognamty state also observed by Bhatand Deblys 2(1985)

Maximum number of children were only on bressmit; up to 7-8 mooths. Than microsus introduced super candy werer, bincubs, portings and not cake prepared one of one handly erice from 7-8 months ownered. After one year of the first of 8 months ownered. After one year of the properties of the properties of the call diet. No., rev., pakes (files erecore) were block of the call of the water erecores.

Nutritive value of the foods sakes by the hildren of 0-8 months ap-orquis west bound to be adequate in calorise but deficient improssis and other protective rurrisms whereas design of the shildren from 8 months to 3 years was found to be sufficient in protein but discretion in calorise and other protective with the shildren of the Reside of a 1 (field).

The meen weight of boys and girls of the present study were fens then the ICMR standard. The percentage of mean weights of boys and girls of 0—12 months age to ICMR standard was very less i.e., 78-18 per ours and

89-2 per cent respectively
The height of boys were 88-9 to 92 per cent
and the height of the piris were 88-3 to 96-13
of ICMR standard

The percentage of mid-sym circumference of boys were moderate in comparison to Wolshab standard up to the spele 18 months, but after that it auddenly Gernared. In case of gifts the percentage of mid-arm circumference to Wolshab standard was very less as the beginn og their is gradually nergespect.

The meen heed circumference of boys wa's slightly below the ICMR scendard in., 65° per cent to 895 per cent of ICMR standard.

The mean chant circumfarence of boys and office were slightly less than ICMR standard up to 12 months, of age 1.e., 90-00 per cerel and 90-02 per cerel and 90-02 per cerel and 90-02 per cerel and several per se

Weight for height ratios of the choires revealed this 30 per cent of children weight revealed this 30 per cent of children weight revealed this 30 per cent of children weight revealed the sufficient form and of per cent children were sufficient from manual field degrees of melinuirition. That makes \$6 per cent of children were suffering from maleuprition and 38 per cent children weight for the found to the period of the supported by Georgia \$1.50 per cent of the period of t

Date of Lorder assessment of tourborn revellings at 2 per over clifform even anomal tour at 2 per over clifform even anomal seed of the per over clifform tour anomal seed of the per over clifform tour anomal seed of the period of the period

Powerty, legislatinos, Illetises, ch'hybleilo evinormentel conditions, limited sessocial evaluability of foods were found to be the major factors affecting the nutritional status of the children. Therefore, these is so immense not for Government and, transport factilities and nutritions education. For the optimizant of these nutritions education for the optimizant of these

RPFERENCES

 Attributes "Food Habits Number and Heelth Status of the carn a Storat — Aprimetre tribe of Orasia" proceedings of Nutration Society of India 33 (1987) 86-67

Blast C. M. and Saray Debtys: "Nutritional Status of Pre-school Children in Gangnus Williage of Hissen District." Indian Journal of Nutrition and Districts 22 (1985) 7: 208-207.
 Blast B. R. Sailerle, M. Ractor A. O. W. Banu and Jyoth, G. M. Tood. Distary

Intake and Reading Practices of Other Starms of Visushapaman," Indian Journal of Nutritional and Olestrics 24 (1997) 5 163

Granificat F. Nutritional Status of Some Security Fig. 1

4 Goseldas T "Nutrobonal Stetus of Some Serviced Tribes of Western and Central Indis" proceedings Nutrolina Society of India 33 (1987) 75. 5 Gosel Mitches and Methods S "Nutritional Problems of Children is a serected Tribal

Area, procueding Nutrition Society of India 33 (1887) 139

PART II SEMBAR PAPER AND MINUTES OF DISCUSSION

TRIBES AND THE FOREST-

An Overview

Dr. N. K. Behure

"A muda! distinguishing feature of the tribal society is their exercistion with a territory to which they belong and command over which is samplified by their tradition. The first blow to this torreigned halfest paren with the preservation of forests in the name of scientific management by the colonia ruless but with an eve on its evolutation for purposes of revenue" (Sharms, 1988-87 20) he umpact was somehow tolership since at that time the ratio of resources to the population was high and the demand on forest was less. By and argo Initial rigiding were extends the pole of admini stration, and certain rights of the tribals were recognised as a part of the process of reserversion, which continued for a long sime without much interference. Thus the essociation of without with the forces goes beck to the leastly rest Tribula are known to others as forest dws me

To day, the seast number of plantons living inferests or printedly dependent on forest in a hower. Nother the proposition of tropic among such population is also farmon. It can be seen, and the proposition is also farmon. It can be seen, and the time major bank of the permanent saidlesses in the forests, except in parts of Western Primativay, are pitales. Prom evaluable and the proposition is a scooning to the proposition of the primativa and the proposition of the

Transfers, It is obbit, a thir economic and colds, walk to go of inside cancel be ensured againing their dependancy on the forest end the forest except entered in the control of the cont

The fever policy of 1866 stands have been mergenated and presentation of consensation of fine translation (f) regulations regions over it, and (f) insertication regions over it, and (f) insertication of the consensation of the

Tele national forest policy was rovated that independence, that is, in 1962. Under this costelles, the privileges granted to the forest dwellers in 1864 were converted into

certain concessions. It proposeds a classification of foreign or or functional basis, such as 1/10, and foreign or or functional basis, such as 1/10, prosecution fostata, (2) extends foreign. (2) extends foreign foreign or full fine foreign or full fine foreign foreign or full fine foreign for

The eastern of 1962 forest policy was referetion of bursaucraft management of forests and promotion of state capitaism in the forest sector. Roy Bursan is of the view that much of the view that the promotion of the season political attraction to the

much of the diseasy portional actuation that have prevail din the bills in the post-independence period are related to the policy (1980/4) [neetly 70's the Netional Commission on Apriculture (NCA) supposed a revised force

policy based on the following points

(i) Management in the forest recognition of the country and the does a second management of the country among the following policy and services on the country and services on the country of the services of the services of the country of the country

people and thereby shaute abonomic progress of the country (N) Checking denudation and encolon in mounterneous regions and catchment areas of these through plan-

(ut) Preventing soil erosion along

arrotohes of weste ands (N) Maximization of forest productivity with a view to minimizing this geowing demand for domestic, defence and equations requirements, with the advances aim to ensure national

p: separativ
(v) Provision of small timber and fuel wood for the rural messes.

wood for the rural meases.

(w) Permission for grazing of livestock in forest sees notwithstending any harm to the forest.

(vii) Creation of recreational seed tourist opportunities in the forests, and (wiii) Creation of blooks of forests resepted with cultivature or intoduction of treat in large sumbers for maintaining a hormonique maintaining in between soil, requisition and anima. These objectives stood for short and medium range policy matters and opporaments, but did not south the question of staddings that is not south the question of staddings that the policy objects of staddings that the policy of the policy of

Forests and tribal life in many parts of the country are instruction in many parts of the country are instructed in "In many parts of the country occumular" community of the country occurs occurs on the country occurs of the country occurs occurs on the country occurs occurs occurs on the country occurs occurs on the count

hand. Conset water, a nimes and bude.

Convertion of composers rights of tribule on forset resources impa page of vivoga-lights of the separated properties of page of the separated promoted an egainstein and splid social order promoted an egainstein and splid social order among the foreign-beauth prints confluentiated. The forest policy equated by the NGA is a way military society and page of the prints o

and social structure of tribel communities I has been exceptained by researchers that notther development of commercial forestry our forest based Industry has passessed enough employment for absorption of the workers among the forest dwellers. Therefore, the position taken by the NCA in respect of the sochust of the economic benefit to the tribate in view of the termination of their traditional sights on forests is not tenable. Its estitude towards the forces dwellers is syldent in its statement which reads thus "Free supply of forest produce to the rural population and their rights and privileges likys brought destruction to the forests and so it is michany to reverse the process. The rural people have not contributed much towards the malifitanamoe or generation of the forests. Having over-exploited the resources, they cannot a 611 Stirnets expect that somebody also taken the treable of proving them with forest cordius free at charge. One of the principal objectives of sodial forestry fator make it possible to meet these needs in fact from needily sossible sases and thereby lighten mis busions on production felerate and the province of the province of the province meets should be mis by farm forestry, expansion forests and disgraded forests.

it may be presumed that the MCA smalleaged odd to be served on the same one of foreign development, posturemed but as supplemental. Then a two distinct exements in the apprecion of the NCA of the forest-distinct on ficesery namely. (I) distinct of the forest-distinct and bridling them making responsible for the degredation of forests, and (I) marrinization of postures as the main-incessible of production (contave).

inconsistenting the transferreduction of the ICA, the contention of that is forest forest ICA to the Contention of the ICA to the Contention of the ICA to the Contention of the ICA to the

This approach present a componities peckage harvens the first and second modes of forsat directions and the first and second modes of forsat directions and the first and second modes of the second with the relative powers peak considerations whether this modes as modely to considerations whether this modes as modely to the consideration of the forest-based offices and oviger of the second model has forest-based offices and oviger of the second model has forest-based offices and oviger of the second model. As a designation of the second model has been designed as the second model that the displacement is designed to complete the second model to the second the second model as designation of the second model as a designation of the second model as a second mode

The development planning of the forests head be troad based. It must encompast the pursulpstion of the people who have base living in and around forests for cerustes. Ethnogroupment studies brink documented the expense of belling and proctices, among the "tible" communitation revenue on the repositioners of paret and samual revenue to the repositioners of paret and samual.

apecies in their ferest environment and about soil and water management. These are based on age ald experience and wisdom.

population for verticus horest produce "social foreser" was instituted during the Filth Five-Year Fair. This has been released in the clear floating of forests by N C A, namely protection foresero, production foresero, and social forestry. A people oriented forest postly alloud not sest confly the "Commercial Forestry" as "Production Forestry" and Social Forestry as procedure orientation forestry and social forestry and specificary This presents a distocated orientation orientation.

encility. This presents is distorted orientation to the personner of forest management.

The lund absorated to social forestly during

the Rish Plan period was round about one offcent of the total outsize in the locenty accor-, and this association review of the control of conincurred or pamestion, but also the expenditure of contain of game sentuaties. The flavor of sexcalationsino of funds during the Sastal and Sevendi Plan periods ser not serilly at band, but there are no Indications of Impasse Investibles rights.

There is a lectural in the corrected station of social forminy. The RCA has defined the stope of social forestery to include fazir forestry, "estimation forestry, estimated forestry included fazir forestry and recreation forestry." This soul of direct forestry is beautiful forestry in the social forestry in beautiful forestry in the social forestry in beautiful forestry in the social for

Book forestry has made acms handway on the year but year but it is still on a casern stope it does not comprehensively catter to the medic of the bridgh. There is handly any research for the schedeligidal improvement of accold Scott in view of people's soots economic needs. Such assert in house be resided to the plant continued and the second stope of the plant continued and the second secon

A visible social forestry about constitute the candidal algosities of asporal forest policy in which Yelp almony win have to be given to the development of misor tonet procure Emographic accounts indicate that the forest products yeld 10 to 60 per cert of the ancened of their bosshedos. Data collected by the Tobal Davelopment Wing of the Konia Allinative shows that out of 21,000 bolished.

species reported from forcet areas, so far early about 3,000 species have been identified to have committee; value

In soits of the growing recognition of the emportance of social forestry and minor forest groduct. It is the commercial forestry which holds the neither of pleas in the forestry section to respectment outpure has to entire, and with the positive excepts of people's mature to sha lecals letterest of the nation Culture of the pagale can also contribute to the growth and management of forests. A previously notion is that the production and extraction decisions are four scientillo and tegnologi ones , but a closte proby shows that these are not precisely so, brokust afternative production schadules ers possible on the same ands which the people know. In some sease the people. Thomasives her political full out Roart from whatever techn call Advantage is may have in the forest belt of Chargospary and Medive Predesh replace-Many of Sat forest by teak or ples, means that undergrowth are automatics to shellshed. The Set has ribed value for saveral Mundari, mount of tribal communities and therefore, ramoval of Sal troop where interference in their cultural practices. The tribal communities of Chota nagour are agraving against the replacement of Say by teak. In Madhya Pradesh and Maharastra there are similar protesta Thansfore, for arrestly values entition of the plane. page of the page o Thire should be a forest advisory committee at the division and range sevels in order to make the forest management system broad-based Two oan crapive the basic question of the termination of pagoin's sustomery rights and generation of employment for the deprived ones.

The confinence of Steak Medicine for present of Steak Medicine for present of Steak Medicine for present of Steak Medicine for Steak Long present of Steak Long Steak Steak Steak to specify the steak Steak Steak Steak product in park to suppliers their name for present of the Steak Steak Steak Steak to specify record that must be break the steak present record that must be break the specific of the Steak Steak Steak Steak the Steak Ste

forset policy reset be beend on a comprehensive national appraisal. The simple adonomies of the tribal communities are under pressure both internal and oxported, and those are no new avenues open to the tribers which could releva the same. The approal of economic banetics of forestry operations to the tribal proces has been fimited to what could be earlied by them as warras. This was true not only in the working of forests but elso in the policyton of the minor forcet produce (MFP) over which a special claim of there had been formally conceded. In this respect the Complesioner for Scheduled Costes and Scheduled Tribes in his twenty-eighth report, writes "workers" participation is a charished goal not only in management but even a necession of accepprises in which the membership of Individual worker is a matter of chance and the cholts' is subscribed nationally. The tribs, people, on the other hand "have dot been considered worthy of any status higher than that of consulwage-serners in forestry unmindful of their otsome for exclusive command over the rame." (1987 21)

And In the same breath the Commessioner makes a sombre observation His statement reads thus. "Even the right of the tribat prople to coulect the MFP, which was duly recognized at the time of reservation of forests, has not been honoused in its mus epitic. With the passage of time what was conceded as a right breams a concession and now we are at a stage where even three concresions are not easily conceded and are being virtually treated as unnocessary encumbrances. The price which the tribal genator MEP even in purchase by State acondisa represented the renum for his labour-input for coversing the demand not the value, of a product over which he has a right. Since the right to dought the MFP was conceded to the tribal people lying in the forests and deriving their swetenances therefrom, as a part of the province of reservation of forsets, it named he absociated es has happened in practice, as the Stetce are levers royables on the MFF and the tribal is gesting but the wage for equestion plus something, if at all, sx grade' (1987 , 21). And the Commissioner makes bold assertion that , "The State has no right to levy royelty on a produce over which the tribal people had been given a right even though the oircumstances may have changed and the orodeco may have become Trose valuable because of its diverse use and the

extension of market accreasy in tribe areas' (1987 21) In the development process deriving the ordinary the behavior before of the changing alcuston is unfair, because the generator the tribal people from forces occurrent is not only finitive but seen forces occurrent in the ordinary supports.

The rangled issue of forest ands has not been solved although afforts have been made from time to time. The reason being that the reservation of forest was done in many cases to an ericitizery fashed on the people was not obtain.

a chance to present their case I docume takes is an a few of vehibiting over the "Forest Consentation" And of 1990. The tribbs about the forest consenter And of 1990. The tribbs about the first sharing a higher settlement of the state of the first sharing a higher settlement. The state of the first sharing a higher settlement of the state of

SELECTED BUBLIOGRAPHY

Dube, S. C. 1977 Triper Harlingto of India, New Delhi

Fornandes, W 1988 Forests: Environments and Tribal Economy, New Dalh)

Government of India 1862 The Macronar Fovest Pooloy, New Delhi

1980 The Indian Forest Bill. New Delhi

1982 Report of the Committee on Forests and Tribals in India. New Delta, Ministry of Home Affairs.

1903 Recommendations Reperting the Resisten of Mational Power Fallay, New Delhi, Department of Environment

Report of NCA 1976 Report of Netranal Communities on Agreement on Forests.

PODU: An Ecological Hazard

*Dr C. R. Mohapatra

Orises is mainly an agrazion State with 80 per cent of its posulation living in villages. The way of life, the culture, the arts and the crafts and the occupation of the bufk of the people lear. beavily on forestry and innumerable products derived therefrom. This very dependence makes forethe Igyaluation for the papelle in India Heavy pressures of human and cattle population have fed to the disappearance of forests from densely populated ereas. The biggest single demand that the community places on forests is for futl-wood. This damend is estimated to be nearly 150 million connes, while the recorded production of halwood is nearly 16 miller toones. Owling to preed shortage of fuerwood and in the absence of atternative sources of sources cowdung which is a good and thesp menure is burnt as fool. The diversion of cowdung from the Fald to the hearth healed to poor agricultural yields. Besides feelwood the forests have to provide fodder for patrie, wend for house consbusiness and appropriately leading and applicable sme owners to the rura acquilation. The disappearance of forests from rural areas has drought about a rese o need aronners The Forest of Onese is the abode of the 62 different tribes speaking 25 different tribel

Meguides. The richal population in State are severed to the control of the control of the control of the State. Juneae, Globals population of the State. Juneae, Globals Philips of State State of the State State of the Control of the State. Juneae, Globals of the Control of the State State Stat

two linguistic families namely Mundar group of the Austro-Asias); sub-family and the South Drawdian, sup-group of the Drawdian family of languages. Amongst the tribars 61 per cent are engaged as outstrators, 25 per cent equipultural fabourers, 18 per cent det themselves engaged in Forecov. Mining. Fishing and hunting, etc. Rests are engaged to miscellaneous profession. Hunting for the tribals of Crises a more of a sport and suiturel pastime than a source of income caremonal bustion warve the communal feeling of the tribals. Whis the progressive dyminution of forest and respiritors anforced by lew the tribale seldom go on turning expedition. From the economic point of view the cribate of Orleas may be classified under three categories. First type, the Kheries who are semi-numedic work out their living merrly by collection of flother, roots and tubers. silk cocoons and other forest produce. The second type are Hill Jungas. Pauri Shulypra, Kune Kondhee and Lanke Sacras practice shifting cultivation (Pody) and supplement their economy by food collection. The third type is the nettled cultivators, pariculturists. The tribals in different appnomic stapus also exhibit version seases of quiture development

Pode cultivation is also known as "Grain" or shifting cultivation it has got its vide stateston oil over Asia. This pode cultivation can be identified as (7) Active, (7) Domest or periodo active and (9) Editor. Normally though people call the precise.

of Podulas shifting cultivation yet I would call it as "Rotating cultivation" The process of r'ghifting" is only a temporary sotion because after a large of 5 to 10 years period the tribals egain resume the pultivation they left over You, the cultivation cossion in a cyclic manner with variable sine gap. One appreciates the errong understanding amongst the tribals as bandly there is any elepute for encroachment or personniand authority of ownership on a place ed land. As regards to the placelfication of Active-Dormant-Estinot, the area where podu subthation is complicing at present may be steasified under the paragony "Acrive" The second category of tand is under rest and is awaising outdestion after a isone of few years But the land under third category's the gone case where no further oultivenon can be taken

MP. What do they do ? The tribale either make a glear felling of a particular patch of forest burn the vegetative growth and then start housing ecoration before sowing of their socioultural grop or at temms they girdle the trees for a natural death of the trees after which the operation of futing and burning becomes easier for them Costiviously for these years the tribule carry on sultivation thereafter they shift to another petch. But, again after an interval of 10/12 years depending upon the evaluability of forest area show come back to the left over and and re-do the gest goeration stemps during the sean puriod when there is no oppoling activity the "Podularse" rems nale, most "dormant" But due to represed outpresson in. unequest the way of disturbing the soft there popure stell prosion resulting in exposure of sigher parent rock of the soll does not possess pay fortility due to which the gree is left over further to be eroded. This type of area is classified as

Autorial Praction of oods quitivation in house a shoomal practice. It is the notice! house no stock and the deel's to survive The only regarded stock estimated is the "possible method." The practicing of "podu" can be differentiated further as the observational advantage of the production of the pro

Ext net

- tribals carry on the prectice so an age old tradition
- (II) induced—The outside uncompelous money render volunteer to lead money to the tribels and induce them to corry on with an understanding, talks 6 from share of the product 49

"interest". The outstanding capital remains as heavy burden on the tribes and also ultimately organes the pitcals as bonded labourer.

the pripals as bonded labourer'

[BP] Accused—under this category
agens of the son-social elements
exercise their unauthorised influrence to fure the Advase with a
false-bops to second the Isrd in the
name of the cultivation. But
altimized the cultivation is bit of

* The commissive effect of Podu cultivation on not be quantified in monetary series. It has done have no fareasters, to agriculturies, the bisogless, to many others, in total by it has charged our "Environment". The depetion of wagestoon has had its impost both on micro

tions faura and climate

This meledy of Pode cultivation is an age old precioe in started with the birth of human race. It continued and may continue for years to some "it can not be stopped. But the intolinamed who express uppears about the deterevation of our previsonment should think and act to amon the process if not soon it. Its not a problem confined only to a few specific department of the Government organisation. The nample who are the call beneficial a need to be motivated and their active and scatsured ancested has got to be ansured. These require ments call for the establishment of new initi success and the adoption of a revevant forestry technology. An effective forestry extension organisation is very necessary to propagate the idea of community forestry and to convince she villegers that their welfare is intimately linked with it. This is not on pasy task. The supersion personnel should have sound knowledge of socio-economic problems of the community and of human behaviours. The present forestry organizations in the Steep are deficient in this respect. Resilising their short comings extension courses for forest officers drafted for littolementing these programmes are being orcarised with the help of Agricultural Universities

Microsolich of the rust messes is the most important single factor in describing the success of such a programme. Long prestrion period of forestry programmes in an important handkop in obtaining people's participation. A negration of restformation continued with word gealfaction well restrong opinions to the register of the restriction of the second of the restriction of the source of highly concentrate forms of energy As a result, a league part of the common interest of the restriction of the

Principle the imposition to the desire of a diversion principle or reafforceastion as that its implementation regides no reafforceastion as that its implementation regides no reafficial bright in the principle of the research of the table being treated in the country as feet, five estations, when it will produce of principle in the according to the concern, it will require no change in the adjusted of the concern, it will require no change in the adjusted of the concern, it will require no change in the adjusted of the concern, it will require the table been both the concern that the concern the concern that th

Since synthetic girs (carbon monoxide and hydrogen), the books product of wood gastiff tetion can must such and every need of the periodismical valuating even some costily than eatural gors, non of the periodismicals plants with a periodismical plant and the periodismical plants of that are now being built gift over the country will be rundered obsorber. What is not seen as a little end products of this nuckey were scanned.

chance in life styles will be called for There is no need to create new institution to Slannes social torestry torris. The banking evenen both commercial and co-speciative banks one do they by bypothecating the standing tree error and misting the arrevel advance to the cumber of trees atilk standage fin cractice it is most unlikely that many will die after the lirer west or two of fife). The rejuctance that miny banks fee about loans against standing crops, even of a non perishable kind like traes, can be evercome by setting up a refinence or querettee econstition to unifer write such loans in fact the newly created NABARD (Netional Apex bank for Agriculture and Rural Development) is stready underwriting loans for forestry, but only those given to inentutions and not to inviduals It is therefore only a tiny stope dowly from the desired gots of becoming a full fledged refinaneing corporation for Forum Development. Shortering the gestation period can help in ensuring their interest and participation in undirional forestry, the provides start accryling

only as the Minimig stops which may table 5 to 10 years. So the precise the consequence expans in 10 years. So the precise the consequence expans in 2 crists have now been selected for commonly frequency reoperations. This approach for made a rich dividand in many sees where for many selected from the selected for the dividend in many sees where constant. Geoletic table to decide that the reviews account of selected to the terminal frequency for the common of the selected with the scale commonwe between the selected and the selected frequency between the commonwer between the selected frequency to the selected frequency between the selected fr

Afficiently on any properties of the programmes assume general-profession to certificity from wealth of the Stress and to cause to the demands of small control of the Stress and the cause to the demands of small control of the Stress are number of the Stress and the Stress are number of the Stress and seven the range of shading at these demands due to the samewhy precision of shading as the samewhy precision of shading as the samewhy precision of shading as the samewhy precision of the Stress are number of the Stress and the Stress are number of the Stress are number of the Stress and the Stress are number of the

This irrectioners of the propole has to be right home the formation stope of these programmes and threat at the most account of the programmes are regulated to be formationed once. The programmes are regulated to be formationed increast stakes with the people. The beginning is made by helding classiques with the people. The beginning is made by helding classiques with the local laquides. They are to be all tendence that threat programmes are being associated or this working and affect that the programmes are being associated or this working and affect the size of them. Extension, whigh have been created in Presse Distantinents of some makes of this bit success.

The measurable of the foreign for the application and the application of the analogicalization of content of the analogicalization of content of the analogicalization of the application of the applicatio

In view of the overwhelmine dependence of the rura community in caneral and of the tribals in Particular on the forests, and forest products. the extension between nommerities and forage is propositioned Briefly stated, the stability of the ture community is turn depends upon proper ma riseases of the lorests. Unfortunately in this country the forests here not been well treated to the rural communities which have been meeting their heats forest-based needs without any throught to forest reclanishment or whether the forced can meet these requirements in perpetuity The consequence has been the widespread standarden of forests all over the pourtry. To ensus peroles participation a new approach totally different from the treditional ones need to be adopted. If needs scientists, ecciologist. politicians and lintes of the society to sit tour ther and plan out plausible solutions to the problems. During jast 40 years under different tribal dovalopment schemes attempts have been condider. Permanent stitlement i. c. Housley achemia and prevision of guittivable land were made to bring their down the hills. Improved varieties of cettin were supplied to the adivesio You meg was arranged for the youth to take undifferent types of vocation Attempts do continue to mesow upon their health and

When place is society of collowable legitime and simple from the first permission conditionable system and simple for that permission continuous 7 will like y apport in 2 Mbs. with implementative by these was a final footnement when the permission of the collowable continuous many who deprive down the visible to collider the second or type to Phas, acro we seep sillicit falling 2 Pbit efficies of pode in visible to collider between the collider of the collid

and projects have been taken up in the tribal seens why did they not make appreciable impact on their development ? These are some of the burning shoughts which should be rivels in detail and action 'plan be prepared as remedias messures in is thought provozing, why not let the stream flow its own course. Thereby, I do not suggest to encourage further abilting cultivation I do visualize only a corrective method to keep the flow of the streem within its two banks. The idea is only a symbiosis. Forestry and continuents of shiftens sulfivetion is proposed to be tellen in In narallel tines. My lints synapteres shows that through Agro advicultural method is had been possible to persuade the adjustis thedually to change their mind, it is difficult for the podu cultivators to leave their 'profusators' to shed off the expression, the agr old tradition umbedded to their life sevie. It would be a blothder on the next of the civilizativity dwellers benthers to escale the hubits, she habitants particularly the rich heritage of their culture. We may try to educate them, provide better amenities and comfasts to unlay a better living condition, but not at the cost of shorr own identity Seldem as Indian one adopt the philmsophy and the style of an Formpren Regards an Joylan at an Jordan born and brought up under a different unvironment, having the variable components such as weather found habits. different stadio tion and religious phéosophy. Thus, a fotost dweller can not be proverted to urbanisation. Eventhing, that sequires to stop the practice of shifting gultivetion and change the mind of the beneficiary is a devoted and dedicated machinery that will are in a concentrace manner materal of a different action. In the words of Shel Kuldip Nayar "Seminars are as a mind dull. Their year names makes them so. The only appeaches are the inaugurat and velidictory ones. The rest of the time is taken by papers, which are read. The most impert any paper can agoin to preate is to be

described lively"

Rainfed Farming in Tribal Areas for Environmental and Food Security

Shri Dibakar Sahu

A What is rainfed ferming , ferming which is undertaken based

Farming which is underestate Bastel entrols or sincial. The difference between earlied feating and my large large earlied feating and my large large mentioning law on thigh mindful interpretation of feating is presented in flow reliefs settes. In they reliefs are findly facilities and measure conservation is of prime reportance withester they relief are findly facilities and measure conservation, within the monotonics with proper and the property of the conservation or mindful feating. In definion to minimum conservation, within a feating large conservation, within a feating large conservation, within a feating large conservation.

farming and dry farming water harvesting in a

essier component in water and land standar-

ment. Water inerventing rafers to storing of

Inhality and I or Innigency the serve is collectrees where it is necessary to different uses like one production, document one act, for exempt, we saw or consecut, and of the exempt, and the consecut of the collectrees of the consecution of the collectrees of the collectrees of merced pin vester to obthorised food below. Where harversing in calment by degler produce their extrees a section of the collectrees of produce their extrees where complete is said clarines to disjunctly stand. Diversion were act special conference on the collectrees of extrees the collectrees of the collectrees of the production of the collectrees of the collectrees of the production of the collectrees of the collectrees of the production of the collectrees of the collectrees of the production of the collectrees of the collectrees of the production of the collectrees of the collectrees of the collectrees of the production of the collectrees of the collectrees of the collectrees of the production of the collectrees of the collectrees of the collectrees of the production of the collectrees of the collectree

The difference between trigation and water harvesting is that intigation is done to fields with standing crop us period between scraing

and be-wasting of a roop widtle waster harvestrice is the process of storing vactor in the filled when once may or may not be there. The orminflation is to waster the order and waster harvestring is no sense; the cell legit is the story house of waster in the volds. By vactor harvestring deposed ground water as rocharged making region of self is intervold and above

all a basicity environment is created.
Under very and conditione reducing randil and licerasing will restrict as an infractive set as mount of molecules that on he atomat in the coil do not suffice for coppoduction. Therefore it is better to 'increasingth' and radiors unlittleation in certain areas which can then serve as a source of very which can then serve as a source of very support of the conditions of the conditions

supply for other areas B Global Weter BJdg@t:

Due plant consists 328 million cubic mass of weet between naminy 60 cent of this produces supply is self, water contained in the operar and seas which control operar two-third agents is unitized of the learnest 5 per cent that is mark, water 40 cents industed they can be control or self-and the control of the produces of the control o

If fresh withir supplies were uncontaminated and payally and evenly distributed through anion and time around the place there will be time need for weter development and management projects. But observations tell us that water-supplies are neither evenly distributed

nor uncontaminated

O India's Water Budget : Do an everyour India corolivas, an annual reinfall of 112 cms or 370 million he. m. Out of this 120 m he m are lost as evaporation and 80 m. ha.m. seep 10to the solt and about 170 m ha m. flow Imp rivers. Out of 80 m. h. m. of weger that seep down armselfy into the so; about 43 m h. m. remain in the top layers and contribute to the soil moisture which is essential for growth of vegetation. The remaining 37 m. he m perceiste down and repleyant the sonual worldwrent of ground water It is roughly estimated that out of 37 m. haim on amount of 27.05 ha.m. is available per year for ground

water recharge, the belance is lost as evapora-

tion All the 170 in lut.m. of runoff in our dwers cannot by harmssed due to limitations emposed by topography, flow characteristics, olivace and soil conditions. As the salmy season flows cannot be fully utilized during the four mouths of Jupe, July August and September Indian has reserved to communities almount probation the effects of drought by articious use of water in Drought Prome Areas of large, medium and minor projects. Suitable sitsu for construction of dams are Errited. The result is that flow in sregor fivers cannot be harnessed fully. Paucity of archie land in some three basins is another resson for non-utilisation of the rupoft. As for example Brahmagums valley to Assem is narrow having a mean width of about 90 km. For the enormous size of the river there is not enough land in the valley to utilise the water flowing in the river. As far as rivers originating in the Western Ghats and Slowing westwards are concerned, because of their short tangth to say they offer very limited scope for harnseing runoff for development of littige-

From the above analysis of Indian's water resources, it appears that we are endowed with targe quantities of water but never the tree in is not unlimited. In the long run it will not be sufficient to meet the requirements of agricultura, Industry, safe drinking werer etc wileso its judicious and aconomic uses era

ensured. Further it is to be remembered that the ransfell as well as its cotentalities are ill distributed ebrough tarte and mage resultring in arrors and conditions in some areas as well as humid conditions in other grees during the same need of the year. The ill distribution causes flood during one part of the year followed

by long drought spells

D. Average residence of Water The following table indictree the everage

٠	retery to sometric	on 12	ne earth
	Atmosphere		10 days
ŀ	Oceans		3,600 Years.
ı.	Potarice		18,000 Years.

Terrestrial Water (a) Bhum 2 weeks (b) Labor 10 weeks 2-60 weaks

1-10,000 Years (e) Ground water Among the remestrial waters soil water is

most important for us. If we can increase the residence of water in soil by low weeks more we will be able to reduce effect of drought flood and seprove our environment our Here comes the role of Drought Prone Area Programme which

E Dryland Agriculture as Environmental Plan Today the term ecology and environment

often are used interchangeably, but they are not the same. Ecology is the study of the relationships and regractions of the rung and non-living perts of our surroundings. The living perts include soil, rocks, energy, conocraphy and water are some Environment can be used neerchangeably with surroundings inclusive of all fiving and non-living parts | Linglades man and the Social and Cultural

The Energy flow and Ecosystem-Energy of the emportant portures denominator to all eccey stems whether designed by nature of man. The source and quantity of energy determines to a greater or lesser degree the kinds and number of Organisms and the pattern of devolopments! urpcreace, not to mention the life style of man. Dur ecosystem rely on two major sources of socray, the sun and chemicals (or nuclear) fucis. We ean conveniently distinguish between solar powered and fuel powered systems on the basis of the major legits. It is languaged to note that although the total solar energy implinging upon the earth is accompus, solar radiation on an area hasis is a dilute onegy source, because only a enall portion falls on a square views in streetly essable by organisms. In contrast fuel may prowide a Nighty concentrated source in terms of conservices to uteful work within a small sees. In fuel powered roosystem of urban Industrial system. Nighty opnoentrated potential energy of fuel replaces splar energy. As dites and urban areas are now managed, solar energy is not only unused within the city itself, but it becomes a comby releases by heeting up the operate. Food,a renduct of solar cowfred system in hem considered to be an externality since it a largely importad from outside the city. Thus a hecters of a city requires not only many hectares of agroforest ecosystem to feed, it, even more hectares for cathered life support to take case of carbon of bog estates to semulos repair vecto bas abtracts. supply it with litege volumes of water and other material. Righer the city in terms of energy use, the greater the area of life support that is required. The propegation of unsurcalnable (destyles by the rich city dwellers and mability of the poor to meet his needs of fuel, fodder, water food etc. are factors that have considered to the control environmental decline in each village level or mirreture or microlevel a melady remedy anxivate indicating the factors that cause environmoval decredation should be done. This can he hest undertaken by tocal non-powermental sasociations. The most pathetic part of it is that the olfor durbilds is, not aware of it or doks not cere for it. He has conveniently forgottenthat the water he uses comes from the watershed above, the fuel or timber he needs comes from upper catchments (dry or rainfed) and so An. The city is not concerned what is happenon to the areas which provide all life support everam to the dries. Among many of the memicious acta convettant in the upper Cantheneous are the prectice of unedemitic dryland agriculture which destroys the life support system through dalougeration decuable flood equalon and deputifitnon evound.

(b) Leaf Area Index (LAI)—The sona of one side of leavest per unit area of lend surfaces. This is the best measure of openity of a cop-

for producing dry matter. This is railed the anducture carital After previously LAI increases very alously or first then follows a period of repid expension. LAI increases fight absorption and the rate of dry metics production, until the foliage becomes sufficiently dense to cause mutual sheding. Then less light ownerthis lower leaves whose chorp-symbolic activity to thosefore reduced. As shaded leaves respire as actiwith as become receiving to: furth their consideran to total faumiliation pop of the drop brocmes less or often negative. There is therefore an October LAI for manimum dry master poduction which is reached when the lowest reaves receive sum aufficient light for obotosynchasia to belance preciming a quiwher the lowest seven are at compensation point And the canopy as & whole has reached maximum ner sasimilation Befow optimum LAI light anways is not being fully Intercepted. Above optimum LA she feat even in not being up-reed as maximum efficiency

F Major Source of Water for Development and Management in Dryland Areas

(ii) Precipitation in the form of rain can make you be affectively consulted by man of the second o

tion

- (iii) Surface waters on the meet obvious source of think water that sain be topped. Lakes, poochs, sivens streams reservoirs and carchiments/watersheds are examples of surface water sources.
- (61) Ground water is a major restroot for these home. Gloon's water upprise contained in againers are relatively stable unusual miscond by man's activities. This are relatively in table to the contained by man's activities. This stapped by man's phone is and water steed. When ground with it within 3 measure of the lated surface man more unusual man, and the stable of the stable

G. Weter and Dryland Agriculture

Like any other area water is essential for agricultiveliproduction. In drought prone area production depends on soil water as interaction of polication of water may not be possible for a variety of reasons. Good once growth depands upon

the availability of plant nutriests in the soil startight, adequate water for send permination. Growth flowering and manufact. For the most need our ratiofall arose have planny of socillahs. The # Brothing factor is the soil fertifley. The farmer is to control the recovertors of water to us to minimise land decredation, ross of son contents, preserve tion of sor structure etc., renzimum effort aboutd by to encourage percolation of water. Soil and ot nexts of been setupper noticered to taken to reduct erosion, and conserve water, Water hervesting usone major activity in these gard, unlike competic water requirments aricultural needs ere exasonal, innited to all or parts of a growing sesson. Normally small scale orgincts like water harveeling structure need not necessarily provide witter for year-round intigetion. Crops can be estepted to take full adventage of a yest sedans. and supplemental source may be needed only for short pariode at the beginning or end of growing

Witer reducts for agitative can be intermitted. Unlike human or industrial reductioning and most one paints die not require a constant flow or consistent deuts of wester. Plant requirements your with term et this like cycle (i.d. gestallandon) your with term et this like cycle (i.d. gestallandon) your with term et this like cycle (i.d. gestallandon) power strape plants are capable to aprovide and little or no cendral. Unity the solid as a wetter reserved, plants are andurel long period between

Because of these differences between soricul-

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total and other uses, the pissons has a vides range of sources to large for development. For instance is a safeties solvery associated for human consention as safeties solvery associated for human consention of the safety of t

Since rainfall can not be increased except by unrollable and expensive sechnology, ways to the amount that falls as proceptation. There are several possibilities that ray produce excellent ray p. Some of these are.

(i) the rea ning a good vegetative cover. Surface runoff is greatest when the land surface is been. No tilings agriculture is now-a-days advocated.

Orchands and plamations utilize off season minfall and meluca nuneful.

(ii) contour ploughing and corrour tillage may be adopted

(iii) strip crops, us alternate strips of erodon resisting crops up erosion

permitting crops may be raised.

(N) include a legume in the crop rotation.

 Sloping Lend Agricultural Technology may be adopted This includes serveding of land.

(M) Increase the organic content of soils

(vii) mulching of bere surfaces may be made to reduce evaporation

(viii) tables low duty crops (ix) tables short duration crops and

adjust sowing of grop to the crast of rains.

(X) In seline or alianing solls stem saline

or alkakine resistant plants

(xi) construct small water harvesting structures dispersed over the areas. (xii) feact to water spreading in the field.

H Weter and Dryland Horticulture: Our scalle farming has dominated division

opisalizas. It is only recordy that alternate deviational present of applications, again-horiculture and directed horizontare are involving customers and directed horizontare are involving accommon independing againstitum. This is been asset with whatever ratefulli we enough particularly to resource pools, certail and monglins, farints, of the window alternate independing steps (Of the window alternate independing steps proposed to the proposed of the horizontary and directed horizontary and directed between and directed becomes the proposed of the companies of the proposed of the control of the control of proposed by first proposed proposed proposed by first proposed propos

Dysand Froit Inseq and deep noted and landy aud thus can tolerate abertalion as mon soon like delayed onest, intermitted dy spell, edition to the control of the control of

cover. Misst of the ambie crops are grown during in the the messoon season which accounts for 80 tillings per cent of the total precipitation. The remesting 20% off season produktation goes wasse vides as evaposition, real-elf or sencitation (so he evaporation letter). But if there are present which is a primarisent vegetation, the elf season preopherionic is gaintiffy videal and at the casettime soil if is protessed. Some first trees like the also produced fodder. The fearers of the ris a contribute foodier for cards: Birr basers contain about 10% crade needed. First trees also underso test and mitter for the cards.

To direct mosture to root zones of plants contour furrow/trench planting system may be adouted

8 Weeter and Apro-Forestry

I is defined as a outbreable. Eard manage many which increases the oversill yield hom the land, combines the production of crops (Including these cross) and forest plasms end/or animal simulationautry or sequentially such seasons of raising breast in spring in it is the pactors of raising breast in springlings.

J Aqueculture in Dry Ferming Arks

In D. P. A. 9. Project large number of farm portified for appointment. These can be profited for appointment of these can be profited for appointment of the profited for appointment applicaments to the nutrifion or accoming of dought prone series. Outcome of fare proving fash species have often part profit pr

in preparing that culture projects averseemple the programment of the project of the supplier must be adequate or the culture puriod and replaced where the executive tion end assigned. Where must be few of cultion end assigned. Where must be few of culture of the programment of the sold must be replacedy responsable to swatch.

E Efficient use of stored water

Under dryland agriculture schwinze lange number of small winter recycling projects popularly known as week harvesting structures are being executed. Wirele Investing structures include farm ponds, chemico weins, cross has a vet it set of remease importants to utilize judiciously

were touchy should waiter, after cutting down secopes and evaporation leaves to get the maximum benefit cost of it. The quotation to be arrawered as to how to convey the water from poods to the fields, when no brigate, how to Infrigate, what should be the creeps and cropping wystem that expend heart to limited wests supply. Here we indicate about conveyance of vester Other points have been confidenced earlier.

Witner politerium un amai conde or other type of water harvesting structures is limited. As losses are high and efficiency of unlisstion ie low. Reading is precluded. The principle of application, shelefore, is to put down convivance female and evaporation feeds and to force werter divep into the profile where roots ere expansion and can bester unlike the moleture It is estimated that 20-50% of impation water is lost during conveyance from the source to the fleed in different soils ove to seconde and percolation ipeers, if the phannels are unlined or in the absence of proper lining in dry farming area high evaporation cases may be reduced by all losses. Lining of chantels, will minimize seepage loss, prevent prosion in the channel, provide comrol spaints damage by redents and ponyey larger amounts of water in the channel of given size. Linking meteries may be natural clay, bernonite (Sodium bertonite a fino texture colloidal clay), bitumeous materiels (asphett etc.) son carmed troing. Stone or brick linking current concurs lining polythylene, rubber plestics etc.

All the Illning materials fixed above. Yave their own advantages and idlardvantiges and non of them can be normalised as the best under

L. Conclusion

By reposal use of treited water available and adopting dry faming sechatiquis as enumers and in this paper lood production will interest labour will be generated to combat until labour man, chemicalization will be roles never, chemicalization will be roles of those harmonium and congress. Abour as directly thus similar services (Considerable), thus similarized parameters of the considerable, and chemical and assistance them Settle acceptance.

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- (1971) Tribal rehabilisation through coffee subbrotion. 9 Sahu Dibaker Indian Coffee Vol. XXXV No. 3, March 1971 (1975) Ecology, Oxford and ISH Publishing Co. Private 2. ridum, Eugene P.
- Luniced, New Delhi. (1977) Rainfall abromatimes in Driesa (Xalabanci District) 3. Sahu. Dibeker 4t, el.
 - 1968 1987 Jour Son and Water Cons in India Vol. 27, 1 and 4 January, 1977,
- 4. Darrow, Ken and Squanter, Milks. .(1998) Approj. Isse Technology Source Book, Volunteers In Anis Publication P. D. Box 4543, Stanford,
- California-84308 (U. S. A.). (1955) Environmentally sound small-scale Live-stock & Jacob, Landa
- Projects-Guidelines for plenning Teetle, Arizone, Vine Publication Services 1815 North Lynn Street, Builte 200, Arlington Virginia-22209
- (1987) Alternate land use systems for Drylands of India a Stock R P at al. Central Research Institute for Dayland Agricul-
- pare, Hydersbad -- 500659 (1987) Reference Book up Soil Consentation and Remote 7 Sahu, Dibekar
- Sensing. Roopanand Publishers, Shubanesway
- rysight Dorland Horticulture, Control Basearch Institute R Karouse, G. R. et.al. for Dryland Apriculture, Hydorabad - 500659.
- (1998) Problem and prospects of wests land Development 9. Sahu. Dibaker on Origon
- Directorate of Soli Conservation, Orless
- (1990) Land Forms, Hydrology and Sedimentation, Nays 10 Sahu, Dibakar Prekash, 200 Bidhan Sarani, Calcutta
- (1980) The Kondhos A Hand Book for Development. 15 Navak, Radhakant et al.
- Indian Societ Inscince. 10 Institutional area,
- Lodi Road, New Delh-110003

Shifting Cultivation to Horticulture :

"A Case study of the Dougria Kondh Development Agency (Kurli), Chatikona"

Dr A. C Sehon

The sagar highlights how a prince a sho-flow against the secretary hordinaries as the sainable elementaries against the periodicus practice of elifility cultivaries against the periodicus practice of elifility cultivaries propertivaries against a practice of elifility cultivaries propertivaries against and could be propertivaries against concept of income and continual values are indicated and could be approximated of a fingle procession of the periodicus and continual values are indicated to the continual cultivaries and continual continua

All is some study of the Douglish Koosth Developed metric Appear (Koosth, Carollines in the Berland district of Orana. Among this of their community of the base of social section of the study of the base of social section section sections such as social section properties of the section section program searce. The Oracine Lands see such section section section contiguous sets of the Witerman hill residue. See contiguous sets of the Witerman hill residue as section section of the Bissers-Carollad sed Actinguist. Section of the Bissers-Carollad sed Actinguists. Section sect

North in Kalahamdi district. They are altocuther about 10,000 to number out of which 6.493 only are found in Rayagada clistrict. The erese inhabited by the Dongria Kondhe are mountainous rising stosoly from 1,200 ft to 4,900 h above the sea level. At present two Micro-projects one lefor the Donoria Fondhs of Biesem-Cutteck and Muniquide blocks with Its Handquarters at Chatleson and the other one is toolong after the same sub-cabe of the Kelyensingpur block with its Headquarters ¿* Parsell. Yet, especies attention is to be given for development of the Dongris Kondha of the Blaws. fined to the Dongrie Kondh Development Agency (Kurii) Chatikona in connection with the horsicultural development programms among the Donness Kondhs. In accordance with the decision of the Government of India, Ministry of Home Affairs certain tribal communities of the country were identified as primitive tribes on the bad's of the quidelines lasund. Major considerations for inclusion in the primitive tribe list was (i) few growth rate or stagnant population, (ii) pre-sortcultural teval of technology and (II) low level of fitteracy. Along with some other tribs, communities the Donosta Kondha were also identified as one of the primitive tribal groups and a Microproject was essablished in the year 1978 under Societies Repetration Act. The agency obvers a tribel ones of 115 sq. Kros and 67 vissges cistribuyed in 7 Grams Parichayets under the jurisdiction of Bassim-Cuttack and Muniques Blocks. As per The study conductors the year to 1888, the sequent Danger North-benefitiers boundered ware 1,228 companies a total population of 4,375. A divereing body was the update for challenges also perfectly as the update for Challenges also perfectly as the update for Challenges also perfectly as the program of the perfectly as the Visio Challenges who tappears to the part Visio Challenges and the vision of the part of the vision of the part of the vision of the visi

For execution of various days-opment programmes a group of staff comprising a Specia Orbins an Aprilulouss Extension Officer a Welfers Extension Difficer, two Amine, one Chainman and one Head Clark were deputed to the Agency from shar respective pasent departments. Apart from these the Agency had appointed 33 multia more workers, one t. D. C. one Driver, two field Assistant, one Pump Driver 1w0 Class IV Employees and one Watchman In due course some Nursery Wetchors and Field Attendents were ecoolisted on delly wang basis. With the halo of the above suaff the Apency, tried to bring alround deve-Senment of the Openia Kondhe. The Inflowing manns of estivities water fournised to sobleve the best in course of amplementation of various

The Special Officer along with his staff yeared severy Dongris Kondh vi lages to gather sufficient knowledge about their culture. environment netural and human resources, technofocy and skill, heart and mind of the people. Fach villege area and household were touched to exercise the possibility and feedbillty of developmant schames. All the named wate contested to excertain their feelings and sentiments. The village traditions securer megles religious and feltuardist people were insited for discussion Selection of pord programme and briefing the same to the higher authorities adoption of selective Cantra 4nd receptive villaces to begin with were followed In due course. Keening in view, the budget menpower and workload annua programmes were fine land. Organisation of village impetings covinage of my the beneficiaries of the selected Villega Sanda out requirements assumed of the proposation of lend, exergement of plenting meterials. formation of working gones, training to the staff, he ning to the beneficiaries, elicorant of worst among the stell, model of collection and distribution of pattern printerial, seatistace for different categories of bearingfaster, tope of pattern patterns, assistance for different categories of bearingfaster, tope of the stellar categories of the stellar categories and potential categories of the stellar categories and potential categories of the stellar categories and which stellar categories categories and which stellar categories categories and which stellar categories and which stellar categories categories and which stellar categories are categories and stellar categories and stellar

The Donarie Kondin Development Apency

(Kurff) Charleans assa la prodominantiv inhabited by Donotic Kondhaasthu oncurat settlers. Now 6 days 6 proto of Scheduled Caste prople Muthus the territorial divisions which are the clain territories. Among the clan groups mention may be made of Jakasike. Wadaka Nieka. Kedrake Pusike Sticeke, Kutruke, Preske Wengesito, Keraya, sec. They follow can exposely slop of recisories dates, electrotion non-neyment witch craft and many others. Among the Dongrie Kondhis clan ever comparison in saverer scolureliquous and economic activities, is of specie mercian. The Dangrie Kondha depend on forter in one form or the other for their surviva! Even reday they depend on forest collection for their survival to the sea period. Real areas and tion of small milless are their main food tems. They ilka menyawatasian food tama specially hulfalo "esh and dry fish very much. Seleo" sego-paint sep and figure prepared out of regions flower, different fruits, reclasers, non and small millets are reliated all over the year. Both make and female mambers out no several types of invallery keep look burs and use embedders piothes for sonio releval electionne

The Dongris Kendha are vary beautiful to look at each ser having strong and stoot body. They are out spoken upright straight forward and hospitable. The Dongris Kendius ser every proud of their Allipsy clean and pulping a server and the server beaution officers involving the havant meter beaution officers involving or christopes and skilling officers and server the server of th

trees. In each village Adasbets gists donnitory. "Sader community perset, "Jerrahodi" shrine of the protector dolly and "Oburtopenu Shrine of mother earth are located. The Domb sottlement to situated a little agent. Total number of Dongria Konsh household in a village vary from 5 to 50. The Dombs are subservient to the Domeria Kondiss They market the surplus and supply their delly material necessities. The Dombs errange journ, act as mychater in socio-sconomic and political meters. Works (the bording the cattle, cleaming the village streat stours done by them. An influential Dumb is sepolated as wicker mesenger and his role is very vital and meaninoful in several sphere of socio-economic and culture) activities. The Kutle Kondhe see guilt aware of the expiciting habit of the Dombs. but rerely they stand against. Rather the Dongria subgridinates. The strylogs of the Dombs are taken into account by the Dongrie Kondha sa the

Is has already been mentioned that the Dongsla Kondha are lover of trult trees and orchards. The agreetiment continent and soil levers growth of fruit year and orchard in their area. The Donaria Kondha were accussomed to harricultural beliefe and growing vackinuts, became mango citrue, turanerio since time (mmessorie), firem picceppio incy have been pracining since but and their culture has accepted this practice without any inhibition. In course of discussion in several towards fruit trees. Plantation of Iruit trees was was an immediate accepts to chack shifting exposurement soil storion. Hence it was adopted es the core programme and in due course thad up with other programmes of the opency for the sustainable aconomic upliftment of the target

To start with the Spickal Officer with some of the astroneco weakers at the species yielding wildings, contrasted by the spicer yielding wildings, contrasted by the spicer and the spicer produced by the spicer and spicer and conditions. All the utilizes distantion in mountains. After thereing the people in man containing contrast, after the spicer broads and mountained, effective and potential benchmark on the hearth, effective and potential benchmark were marked marketive of all the spicer was a spicer of the spicer practificant other about the first spicer of the provided and the southernman of velacular of the provided and the southernman of velacular of the provided and the southernman of velacular that the spicer of the provided and the southernman of velacular produced to the provided and the southernman and velacular that the provided and velacular produced the provided and the southernman and velacular that the provided and the provided that the provided provided the provided provided the provided and the provided provided the provided that the provided provided p

tion. To concluse the prooffers, to support than the claims discound discounts and its problems and the masses of tidal problems and its problems and the conclusion of the conclusion and the conclusion of the conclusion and the conclusion an

For effective implementation and close and trimly respective of various developmental forces and trimly respective of various developmental forces and trimly respective to the programmatic forces and trimly respective forces for distribution of brankfast or collection of surplus as was as for demonstration, triving and strategies and strategies over Experise.

The multi-purpose workers were teaching the children in the morning and adults as we its children in the evening in their respective villages From each village five community leaders both mate and female were asysted to feed the vision for all development purposes. One mare and famale known as Gram Parichalak and Gyanmas respectively were nelected in a village manuary the developmental metagas from the agancy so the people. And also they conveyed the mystespes of the people to the agency authority. In collaboration with the village sittes and leaders mentioned above a detailed survey was conducted land, forest, crops grown, horiculture, impation, inter-personal relation, exter-village relation Muthe' organisation, important events tike, birth, meninge, death, funds, quernil coeffice Different fairs, festivals, reportent occasions, Information related to Sch. Caste and Dongsa Kondh relationship, part history of daw topment In the same and all the feethers, agricultural and associated abelieved for planned acopies. Through the Village valide, under facel acopies, and the valide valide acopies and the valide valide acopies. Through the Village valide, under facel acopies with the valide v

Except in view the exclusive of animal response and or interesting and format and final support of the dilinge and depte of acceptance and reportion of the people covered new horizolutus' programme compactation of plantation and anniholation of control and application with anniholation or control and application of the second or control and application of things were substituted and involving the people expelled sentings were related in the entire process of operation people of different are and up asset amount of the control and applications of the second operation of the control and animal and applications of the section of the second of the control and the second of the control and the section of the section of the second of the se

Manitoring of the programme was arranged in such a mariner that there was no chance in delaying the course of action. By the time the secolings are made ready, the people were crotivered to take up pre-plantation programmes like pleaning the area. dispingoits amenging stores for fence and water channel from stream for infrating the plants. Different easignments were distributed among the seall in such a manner that the people developed interest for plantation of fruit trees. Supervisory functions were distributed to different lave to prose-check different course of activities. Steps were taken to record the plantations and certifieds to favour of respective beneficiaries or to give the usufrunt pight Plaumou meterials available with the well-to-do needle usierd -supplied to the people according to their need and pre-glantstige performances. Since details of the felt-needs of the people were finalised sufficient before, the plenting maranais and other requirements were supplied to the petale in their respective sub-zone or zonal centre Before supply of planting materials the Interferance were over all possible ITS ring to connecting with the elanting reductals, clanission maiorenance follow un purpopels plants The Dongtts Kondha crefer

According to the situation and pendition of the beneficiary the member were physo estistance. In two different words, one under the infrarence us development scheme and the other on incividual benefit programme. In case of the former one the beneficiary was provided with all the benefit from the Spency In the latter case he referred some reputs, rephnical and accommic essistance according to the peoperity and within the sesistance norms. By nature the Donoris Kondhil are supvillage level. Those porsonality traits and coloural characteristics which were price of intof-group feuds were diverted from distructive goals and hemessed in the developmental proprammes (w constructive purposes. The dormitory and village community labour freez was utilized for extension of plantations. The wouths who were engaged to domitory affairs were diversed for profitable plentation purposes by arranging bride price and stolemetsing their marriages. The you're got married checked clan feude and in dut Course as per the tradition of the Dongrig Kondh the ocuple should rame their own prohords, as permanent according asset for shell future. For calific conduction water sources available were utilised to negotide refigation feelities through contour and paring phagoels. Different new totalts orbits of high yielding variaties and new technology, were Insteduced for better efforts in borticultural development. Mixed croherds, treisu prentations and revival. of their traditioner plantations were propulated among the Donorie Kondhs which pave very good result. The mecton-religious practices and heliets associated with plantations, with brought the heart and mind of the people. Co-opertion of the village ocuroil and support of the women Vivided very good result for extension of plamation papunamess. Organisation of village metrings, inter-Dongrie Kondh Council meetings and award of news to the automotive workers encouraged the son restrict and newtron conscieus Donoria Kondha to surples their competitors and opponents of their at village of personal level A system of stellstends and peckages of programme were arranged in such a mennie that people adopted improved hericultural practices and covered large stress under plantation productimes. In the florency area pinsuonie plantation was taken in numerative nonle. Plantation was proferred where yackfruit find thango trees are present so that these elasts some remided with tentional shade which is favourable to the growth of the

prigation. Thick deposition of leaves get decompassed and provide humas so the eoil. As each the anit type, drainage system, cool cursess, lighter charie, relider sunthing, medium altitude etc. all in numbrastion are concental to the good growth of the numerical plants. The Bonnils Kondha. sites prentation of suckers only going for weeding Even suctioning for which they receive cash from the local Scheduled Caste Dembs much before the harvest. In some cases the orthards were anid forth years together. The Dongde Kondha are your much oroug of their guiture and people. They usually do not pluck faits for sale which they consider as lower people's Job. Therefore those type of works are entrused to the Dombe Bye adjagent to them. Because of these Socioeconomic factors the Domb traders purchase the excharge for which they linence considerably earlier The expande stillude of the Dombe towards the Donnels Kondh is very often put the latter once beto name. The services of the Dombs were consdered independent by the Donaria Kondiss to purchasing Jackhutts the Dongtie Kondh people were also adopting some method. The because plantations were also not giving substantial return. Mango stees are communally owned on village level france, the money received are suft to community funds and spent in community leve Augetions. But by and by introduction of better technology, new variety of species and coverage of expension area under plantation broughs an mirrous change in the project area so an afrecestive to striking cultivation and susta naive scorromic upilit of the people Previously the people were softing their produces in the nutrby workly markets which the people produced fruits in large scale, steps were taken by the agency to save the Donoria Kondha from exploitation and ensure fair price. Therefore, people were motivated and they registered a Co-operative Society known as Nivernalri Pruit Growers Co-operative Society NFGCS). To start with the Special Officer and the Wattern Extension Officer, played viset sale but in minimum poselbie time the Dongrie Kondhe took over the entire oberge and managed the Society very mostly. The major function of the Society was to fixprice of different products, procurément of agricultural and horticultural products, to provide the people their daily consumer goods And interest free loan at the time of their read. It also provided the people all that they need for development of plentation in the Niverigin bile

Alvan energing during plantation which in tong our

developed the production but belond to protecting

soil from arosion Plneappie were grown without

ranges. Organising meetings the people were reads conscious about the actual orine of their hervest. The mode of fixing the price was tought by means of demonstration. As per their redition once price determined for a particular orthard or tree naver comes below the fixed level o the subsequent years. Although at the outset of molementation this method of origins was very difficult because of the strong resentment of the expositers but hearty co-operation of the Donoria Koncha helped in bringing suggest and solved a major agreed problem for all the time to come Fruits like pineapple, sackfruite. orange and bassins were sent to Madress Waskispeinsm, Kaxinada, Brixaxulam, Nagpur, Respur and many other places. So see the pinosppie suckers were purphesed by different disvaloument agencies needs and outside the

Since respition of the project till the war since respition of the project till the war the coverage under homizone was 90% before. The desails of varieties and quantitative achievements as as follows:

Acres

3546.38

1 Orango, Lemon and other

COTUS VISTERIAS

other types)

12. Lichu, Gueva, Illeche

2 Benane of different varieties	1547.81
3 Mengo (both snetu and grefts)	1247:07
Pink apple: (Spanish end other venetos)	1127'80
5. Ceshwonut	61014
 Mixed pushation (Banana and pineappie, Oltrus and pine- apple, mango and pineappie, and pineappie, pages. 	42636

with mengo grafts, banana

with clarue plants and some

7 Turmeric and ginger 328'00 8 Pepaye 140'90 9 Sepeti 118'85

Due to these extensive areas covered under prentation the shifting guirleston area was reduces to a greater extent and the scanomic condition of the propie also developed. The presention programme as the pore schome in the agency which was tled so with other days enment exctors such as education, soil encerovation vilortine on-paymenton, Indu sty. health and application and many other we'vere found that horticulture is the best answer to possens shifting cultivistion in the area and for princing sustainable concerns uplift of the neenle. Along with economic development the socia-cultural transformation in positive ers established rise, health and hand ness among the Dongria kondha

Rose the classwood made in the proording paper in that he arrived that districts are in the properties of the properties

corn of common number in silts male sociation which the development practitioner should excess and discover at holps in evolving appropriate about nice for the destinament of the people of fa-bal or simple societies inferent in thice broad zones. The people in the first zone of Interaction are their lineson, olan, afficer and tribes men. The second crown of pursons who come in the next sone of interior tion are the occube with whom they malcred some distance but in mero wave there is symbiotic reactionship. The third are in of prople are absolutely outsiders and strangers who have no contact with them. Even if the third group of people go and approach for all acod intentions they may not be accrosed because of peveral appropriate conservation. Honce before embelling upon any Inscretive processing one has to casebish are process repport with the proper end only prorie's

consumers open of comments developed the service of the service of

TRIBAL AND HARLIAN RESEARCH-CUM-TRAINING INSTITUTE BHUBANESWAR

TRAINING COURSE ON TRIBAL ECONOMY ECOLOGY AND DEVELOPMENT

Sportfored by DEPARTMENT OF ENVIRONMENT FOREST AND WILD LIFE. GOVERNMENT OF INDIA, NEW DELH, (DECEMBER 16-20, 1991)

> SEM MAR SESSION The 19th December 1991 (Feday)

... 10-00 s.m. to 2-00 s.m.

Chairman SHRI R K MISHRA, LAS Deputy Chairman, Oriest State Planning Board Bhybaneswar

... Pref K K MOHANTI Director Tribat & Harisan Rimanch-cont-Training Institute

Theme: "Forest Resources, Forest Projects and Development of Tribe Economy

Panest Contributed 1. Tribos, and the Exists-At overnow-

> Prof N. K. BEHURA Pudeson and H. Ad. Daparement of Anthronology Jina Jinvenery

Van Vibr Bhuhanstwar 2 "Harded Farming in Tobal Areas for Environmental and Food

Joint Director (Rend.) Sol Constitution Directours Bhubtnesser

3 "Redu-An Ecological Hailand Dr. C. R. MOHAPATRA, LFS.,

Diversor Wandankatan Binlopinti Park, Rhubennagar

4 "From Shifting Cultivation to Harticulture-A case study of the Donate Kondh Davelopment Agéncy " Dr A. C. SAHOO Offices on Special Date, Tribal & Harison Research-dath-

Training Institute, Shubeneous

Guant Part Its pants

- 1 MRS CHANDRAMANI NARAYAN SWAMI, LA.S.,
- Commissioner, Agriculture & Yorkl Development Origan, Bhithaneawa 2 SHRI E N SENAPATI LAS
- Director, Consus Operation. Orises
- 7 Professor F SEAUSPATRA District Academy of Pibel Distorts and Culture, Adibasi Exhibition
- Ground Bhubansewar 4 SHRI TABA DUTTA 1AS.
 - Director (TW) & Joint Secretary to Government, H &T W Depart-
 - K SHRI A PRADHAN 155
 - Add: Chall Conservator of Forters, Office of the Principle, C. C. F.,

Traines in Great Accepted 1 to 1

Chit! Repportsur ...

Research Officer, Tribal & Hangen Research-cum-Training Institute, 1 SHRI BALARAM DASH,

Shri J. K. PANDA

Associate Rengarteury

- Research Assistant Tribel & Harlian Research-cove-Travence Institute. Bhubanetwar
- 2 SMT SUREXHA RAY. Research Assistant, Tribel & Hanjon Research-com-Tribining vestitute,

(1) The samener commenced at 10-00 A. M. or 19th December 1991 in the class room of the unaditure. After wasopreng the participants Prof. K. K. Mohants. Director' THRTI emphasised that the seminar would now an opportunity for exchanging ideas, thoughts and experience arrong the trainees as well as the officers of the different Departments present here

In course of the watcome speech, he pointed out that the tribal people. have symbiotic relationabin, with the forest. Resides providing food and sharer forest mays an important role in the inbell economy. Minor forest produce like ac resm. honey timb trand fir wood which the tribal people collegt from the forest fetch tham a substantial Income The forest also supplies medicine! herbs which give relief from pelm and ours illness of various types. In gueshell, he passed out that the forest occupies a plystal position in the severage, cultural and sociological life of the tribel propie. Prof. Moharti requested the Chair to invite the contributors to present

lighted the necessity of forest for the tribal people. The forest and the tribes are installente from sime immemoral tribus ware in the forest without outside interference. As time passed, newdovelop mere took place and the tribes were pushed, down pretries of the soil. A self dependent life when distribed became a cle of wants and missries. The socio-culturel relies came under the tarrible blow and the whole oco-averem got disturbed. Nineseosth century saw a prowth of capitalistic enterprises, such as reinvey abspring and commuminerions and comment destruction of foreers formation to also compensation or other afternotive to the original tribal settlers of the sou.

(2) Prof. N. K. Behars to his paper high-

The foreset develors lost their hopes as a result of which aconomic depression and poverty. Made they life messable Though different forest policies enforced from time to time the Idea of conserving the forest have forontten the tribes decondence on forests for their minimum economic subsistence. Keeping this in view, the National Commission and approaches in support one jin 1970 supporting an approach of the support one jin 1970 supporting a feet on the commission of the support of the support

Or Behers appeared that communal ownerwho of reast elepted prevail in order to provide
edicquere laciness to hermes the forest growth for
economic auxpoir of the right in communities felfig
thers. The socion-trisigious NP of this titles are
intrinsity connected with the forest. It is, thesefore necessary to protect the interest of the titles
people by allowing them that community sight
over specific inchingred from their

(3) Shri D. Sahu in his paper stressed that dry-land famility as very important for the titled assets. He defined dry-land famility as mainted famility which is underships and dispersion controlled in the control or resident and controlled in the controlled assets and the hill mass where law safell occases. In any animal families connection on dispersion to the controlled same co

Sys Se'v, gav a mobil stress on worter herevering trouctures for proper water and land monagement. In describing the difference botween
mitigation and weter harvesting, he has stated that
finigation is done in fields with seconding crops
white water harvesting in the propose. Of storking
water in the State whole crops may or many not be
there. The mosture levels the soil west and
psyvides mobile weter resolutions for the crops.

Coming to the wester managament in the World Shit Saltu pointed our that SR SS per cent of water comes from ground water strait. The other sources are laker, rivere, atmospheric vapour and biological Factor which come to centy 168 per sent. Hence, water managament through

Parboularly in India proper water management periodice have to be followed so that cassive ross of water resources can be avoided. To organite proper water management system or fedio, dame in sainable places in big and small shore are necessary, so that affective flood control as well as water management can be made.

By introducing new methods for dry land ferming proper ecological balance can be majoralized. It will enhance the some cultural life

Discribing the major source of water for disversionment and management in driving a management in driving a management in the ned management of water recovers, member (Disversional or fail) water, (IV) management of water recovers, member varies water and (III) havening of great water recourses. The major factors to create a water recourse the major factors to create a water recourse of the property of the prop

(4) Dr. C. R. Mohapatras, while presenting the abstract of this paper heightfood desclopically hexambox. Effects of the "Pode", cushwiston by the titibal popular Focusing particularly the experience of Orlans, he put forth a picture about the deregapitic distribution of tribles in the State and their concentrated proper or about 60 per cores leve agriculturised.21 per order agricultural biocurrent and the rest 16 per brint we engaged in focusing miles.

He indicated that the entire tribes population can be divided into 3 categories marrier Northedic, Hill tribus/ and Settled tribe curtivetors.

Coming to the problem of striking cutilization for earth of the paths of strike the precision of abilitys eathing the term of a groups insteady (a) active (b) (b) domest and (c) author. He showed the statisting outliveston is harmful and diet mortal to the maintainance of the revincemental balance and leads to deep soil snowon. This goes on the activities manner with a time go. Community ownership and sosthonest legal occupance as the objects for greatful yielding great with the objects for greatful yielding sway. With the

In coder to searn away the ribble page-less and opparizations working it the tribble and opparizations working it the tribble areas have got their positive role for providing alternative connection pursuits and commission them about the dissolventable of shifting cultivation. Alternative incomment was alternative accomment of the providing page of th

stibus. Proper us ring for extension personnel fix an estension personnel part which may be organized by the Ferret and Tribe. Department in cellibrorise rise with the Agricultural University Mozivetton and guidants is also necessary to convert the second of the personnel part of the personnel part of the personnel part reported payed for girling authorities. Afternoon is an exported appet for girling and attemptive sendession to the schilling outlibration.

(6) Dr. A. C. Sahoa in his paper. From shifting cultivition to horticulture. I is also study at the Doogle Kondin Dasstopment Agrecy) impleated the disvisipmental process for the trial primitive tribes. We the Dongli a Kondin through formation of a Micro-project.

The paper le nutries, has depoted fair vertices aspects self-ing to the (ormation of enter-project and execution of the various developments schemes in order to divert the strends of the Dongila Kondhe from shifting outsivation to horticulars.

The Dongrig Kondhe for Billiager of Billiager-Dutack

sax of Mangola Bleck of Quantum studies on Korpus Direction of Control and Con

The Dongris Kondhis were miscillestly experiently by the Done. Now they can handle their own horticulum produces and sain a good fincome. This created a sense of self-confidence and self-celesce in them. The project is to undertake further protection of now varieties of final-ceation (rese

The Project and revision a good proportion of atjointons for the operand of autocations from the operand of autocation through adult aducation cannes and highir activation were an understand or a few-loopment programma were and understand or a few-loopment programma who also understand to be very there. Dongles who acro upon a time were altiting authorized have oney by manufacture of the proposition of the pr

(8) Sett Chanderman Netronic Swemi, LAS Connetasium, Application and Roud Development, Golament of Otisse in Int 18th on Intelligence and Contentasium, Application and Swemi Application and Content and Swemi Application and attribution of the Intelligence of the Content and Swemi Application and Content and Swemi Application and Content and Swemi Application and Swemi App

White implementing the different schemes for contribution of forests the suggested test person attained in the first person attained when the first person attained who the given for the western of the trible property who are the original sections of these schemes, the introcurse of the original communities must not be neglected wateranced who position of the ready growth soften contribution of the present provide scheme to the provide scheme to the provide scheme to the present s

This Agencies, like the I. T. D. A., T. D. C. C. and the Forest Development Corporation should take adequire attention and safequired the Interest of the Interest programmic gregorammic programmic

She also langhasted on the plentation of medicinal hyrbs and harbel gardens in the tribal area.

(?) Shri R M Sempati, I.A.S. Director.
Contact Operation. Gross in this talk gave a very
atter places of the vibes demography of Orissa.
Side by side he also highlighted the identication
grows the acid the living pattern of the tibes
inhibiting in the remote tribal greas.

As per the Cansus 1981 as many as 7 districts of the State constitute insport tribal population of which 3 districts have more than 80 per cent tribal population and auth districts are Koraput Mary, then § and Sundergath

f in course of his discussion he political out that more research work should be done on scoogy and economy in the tribal areas.

He area suggested that no restriction should

be imposed on the tribes for the covertion of selnor forest produce He further pointed out that the tribel

He further pointed out that the tribes people should be given a postion of adjoining facest area for protection, conservation and for their genuine use (8) Prof. Khagekwar Mahapetra Director, Academy of 7ths Dalects and Outure possed out that the tribal det and outure control on at the Second Prof. have their own forces Gode and Childrenia.

Ha emphasized that tribes are not destroying the ficrest growth because they know they the due to the forests Rather other appeals are responsible for it.

The tribs people are practisted shifting cutivation from time rememoris. There should not be any drastic statisticition on the practice of shifting cultivation without giving any viable economic elementive (or that typing

9) She Tavadati. A.S. Diester. Tulai. Wilstein and Julin Stockary to Government. H. B. T. W. Destitiment Government of Orises exchanged that we about one consequent with the secology and environment. Planning from the top and execution at the bestion is nonsecution with each other. Device-mental consept is even to the tribial people Money, their anolysecutions with each obey Device-mental consept is even to the tribial people.

pocess would help them for their guinnase. He pointed out their while he priceratego of interor in Regulated is easily 80.7% it is every 3% in the Bende Hulls. Interovement in education and fifteeup and been possible due to the disclosure work of the firespon Politican Messonalities, width made the stibule with consciousness for their disclosure. Agentuse consciousness for their disclosure and their discl

(10) Participating in the discussion. Mr. B. N. Delvedi, D. I. G. Forest, New Delhi, political out that it is the role of the researchers and the research institute to find out the exact number of trible lismities depending on forest for that exported pursuits and to devision.

(11) Mr. Khejen, Singh, A. G., Poses, New Dahli, pointed out that fitted prople have initiates residently with the forests. Therefore, in the preparation of the mishall, the policy should be to protect the forests and to furth the number of the mishs.

packeous for their development

He suggested that shift ng outrivision may be replaced by horso, ture.

He suggested that a reulti-disciplinary group of officers from Forest, Agriculture and Tribal Departments may be given improving the proper impriministion of the programmes in the tribal arises.

(12) Shit V Parthasarathy, Conserved of Forest, Andhra Pradesh, opined that the degraded forest land about be distributed among the tribal people in order to creeke more forest and to preserve it.

He aid pointed out that some personnels of the Forest Department about the involved for better implementation of the Tribes and Forest Department of the Tribes and

Forest Development Programmes

(19) Mr. T. K. Reghevan Nels. C. C. K.
Kara's pointed out that there should not be a
specie nonseclature as "Tabbet" Tab
creaces asspection and it may perhaps be

Byorded

Purther he said that a lot of confusion as efferig out of the concept of tribal development and ferress development. For proper implementation of the various programmes contained nate to be swided and specific artistines planting may be necessary. The

(14) Mrs. Rényans Kase D. F. C., Uttar Pradain his polinical our thit this tribat oscole should not be exploited and they should be given exclusive rights to conset the minor lorest produce from the forests which is their print source of vie hood

(18) Mr S. P. Singh. Deputy Director, F. R. Madhys Predesh poyned out that we should relies proper planning according to the needs of the stiplie.

1161 Mr. S. D. Sharma, D-porty Conservator of Poresta, Himschs Fredesh, poisedd out this a overnight otherings of tribs people is 400 costable and it would take some time. The distriction of Forest e and door by the tribal people but by the so-called civilized people (17) Mr. S. Tayldin, Locarus, State Forest

Service College. Assem, opined that we though a dody the main problems of the thiese aid adopt proper achieves for their upfilment. He gave an example of Tripus sorting that developments activities on satisfing periation and arisins fluxbeardy fishing, etc. have not propresed

(18) Mr. M. G. Kathy, Chief Conservator of Fortes, Kerala suggested that the tribal people should be replaced in the developmental pocessiments for these form planning to undistinguishing

anous ou recomment planning to implementation of for better result.

(19) Shil R. K. Mishes, I.A.S., Deputy of Charman, Orland Shahi Planning Board in his of

Chamistro, Oldas Joses reviewing potent in me concluding allow and allow matched should be enrolled. The country is now manage were from protectioners to "compression." The economy to brend, proposed to and publicate of the property of the proposed to and publicate of the property of the property of the Packer Stoory Forkinshings have come in for him Stoory and the manage with the property of the floariest weekers. Specially as I link's 25 or open or strainform when the foreign of the strain of the the strain strain of th

Works order an etmosphere of competation, selfconfetero and self-revisiones has no be developed.

When emphthing open services well-out a water or the politicisms to blaces the beneaucus and vice warms. It is no uses believing one good vice warms in it is no use a believing one opphism for liabele to generate sufficient resourcets.

he any case the national concern can no tonger beer the weathful utilization of recommend by n concerned. The look of the tribul concern had the forest-based economy cannot be very much different from the fact changing economic and the latitude economics.

His continent that If we continue to materiary our founds and the tribal development programmes and do not become resource-consider, a time may correctly an all these programmes, including the transporter of the forests, may have to go in for "Phinistesion". It is no longer possible for the country to been the burden of markformor.

He suggested that the national and the State Leve on management of forests and for protection of the tribial should be given a joint bolk by the forest and the tribal development supera for bringing about escandilation whatever needed.

The operation of the Forest Conservation Act is creating certain problems in execution of amount development works in the field in the tribal

and the last areas. These should be looked links and proper provisions and driftgation may be made to obviore the field level diffigurins, perfocusing for the small devicement works.

He pleaded that for small development would prove should be vested on the District Collector under the Forest Conservation Act to give clearanch up to 2 heaters of forest land to individual cases. Proper salequands can be built in upon the delention.

Ringarding billed preen Coyet the district goal, he bladded that the most precifical unit of tentions should be Thad for the purpose for computing this one-third size. Its de allowarders, this give-tidd area (whatower may be the total extend) may be equitably districtural enough the different States, and the Data side. Development of horito, there and the repage.

forest produce are very exportent for the triban concursny. The RFP give the triban session excession of the RFP give the rebuils sestimated for about 4 shortes or more during a new Similarly count of the "Pool" cuthwriter as very important for fosing preservation. All these competing needs small preservation and the competing session of the conprogrammers, which should be well-to smede both as conception and in tribatementation. Beforeign on the incommodations of the Beforeign on the incommodations of the session of the incommodations of the session of the session and the session of the session and the session and the session of the session of the session of the session and the session of session of

N.C.A. and the N.C.D.S.A. be supposed that in the tribal scale to top one-therd of the hits must be forests, the middle one-third though be for benichtmed trees, beny-buses and gress lamb and the bottom one-third and "Jincia" lamb can be for agriculture He emohasied on considerational and

He emphasised on organisational and leasturious amangements for marketing of tribal produce, products, art goods, handlestes and the libes, and mixt vipilance against exprolitrion of the tribals.

He last emphasis on revival and shoouragement of the "Honey" trads and "Deer farming." He suggested that the Forest Officers should be obeen sibal orientation, scalnus

and the Tribel Welfare Officers should be given forest-orientation trateling. Winding up, he laid most emphasis on education and training of the tribals, including forcessing their ecological and environments' awasen so

(20) Prof. K. K. Mohanty thanked a.l.
the perscapens, speakers and who attended
one-day seminar

ANNEXURE I

List of Trainage

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Burelter, Assem.

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Shwapuri, Medhye Pradesh IIII. SHR, E P SINGH

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